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Nota di contenuto	Van der Pol Oscillators Based on Transistor Structures with Negative Differential Resistance for Infocommunication System Facilities -- Study of the Influence of Changing Signal Propagation Conditions in the Communication Channel on Bit Error Rate -- Quality Assessment of Measuring the Coordinates of Airborne Objects with a Secondary Surveillance Radar -- Pulse and Multifrequency Van der Pol Generators Based on Transistor Structures with Negative Differential Resistance for Infocommunication System Facilities -- The Method of Redistributing Traffic in Mobile Network -- Complex Tools for Surge Process Analysis and Hardware Disturbance Protection -- Development of Evaluation Templates for the Protection System of Wireless Sensor Network -- Studying of Useful Signal Impact on Convergence Parameters of the Gradient Signal Processing Algorithm for Adaptive Antenna Arrays that Obviates Reference Signal Presence -- Interference Immunity Assessment Identification Friend or Foe Systems -- Estimation of Signal Parameters Using SSA and Linear Transformation of Covariance Matrix

or Data Matrix.

Sommario/riassunto

This book, building on the authors' previous work, presents new communication and networking technologies, challenges and opportunities of information/data processing and transmission. It also discusses the development of more intelligent and efficient communication technologies, which are an essential part of current day-to-day life. Information and Communication Technologies (ICTs) have an enormous impact on businesses and our day-to-day lives over the past three decades and continue to do so. Modern methods of business information processing are opening exciting new opportunities for doing business on the basis of information technologies. The book contains research that spans a wide range of communication and networking technologies, including wireless sensor networks, optical and telecommunication networks, storage area networks, error-free transmission and signal processing. .